Consultancy Services for preparation of detailed Survey, Designs, Drawings, Estimate, Bid Document, Bill of Quantities for the work of Construction of Marriage community Hall in Chiklkabettahalli in Ward No:03

Abstract of Detailed Cost Estimate

Sl. No.	Description of Work	Cost in Rs.
1	Civil Works	17535360.30
2	Water Supply and Sanitary Works	911838.79
3	Electrical Works	927476.40
	Construction Cost	**19374675.50**
4	BBMP Deposits	20000.00
5	preperation of DPR Charges (1% of the cost)	200000.00
6	Project Management Consultancy Charges (2% of the cost)	400000.00
	Total	**19994675.50**
7	Miscellaneous and Rounding off	5324.50
	Grand Total in Rs	**20000000.00**

Certificate:

1) The Work spot has been inspected and found to be necessory
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessory and minimum
4) The estimate is based on C.S.R 2016-2017 and approved rates

Assistant Engineer
Yalahanka Project
BBMP

9/10/2017
Assistant ExecutiveEngineer
Yalahanka Project
BBMP

9/10/17
Executive Engineer
Yalahanka Project
BBMP

Administrative Approval
Accorded For 200.00 Lakhs
Head of A/C P3242
CER NO :121/17-18 Dt:15/02/2018

E.E. (Project) 15/2

Technical Sanction
Accorded For 200.00 lakhs.
Head of A/C P3242 10
CER NO :249 Dt:.. 10/17

TA CE (YNK)

NAME OF THE WORK :DETAILED ESTIMATION FOR THE WORK OF CONSTRUCTION OF MARRIAGE COMMUNITY HALL IN CHIKLKABETTAHALLI IN WARD NO: 03

(Rate as per 2016-17 PW,P & IWRD, SOUTH ZONE, BANGALORE

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
1	**Clearing Ground**									
	KSRRB M200-10.1 **Clearing and grubbing road land** including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm,, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials to be used or auctioned,s including removal and disposal of top organic soil not exceeding 150 mm in thickness as per specifications. I. By Manual I Means, A, In area of light jungle.MORTH Specification 201..(PWD, S.R. 2016-17)(Page No. 136, Item No.18.13)									
	Basic Rate =	48878.00								
	Area Weightage @8%=	3910.24								
	Total Rate =	**52788.24**	Ha							
				1	610.00			610.00		
								0.61	**52788.24**	**32200.83**
2	**Compaction of original ground**									
	KSRRB M300-58: **Compaction of original ground** with maximum of 6 passes of 8 to 10 tones power roller including filing in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH Specification No.305.3.4 (PWD, S.R. 2016-17)(Page No. 149, Item No.19.64)									
	Basic Rate =	5.00								
	Area Weightage @8%=	0.4								
	Total Rate =	**5.4**	Cum							
				1	610.00		0.30	183.00		
								183.00	**5.40**	**988.20**
3	**Earthwork in surface excavation in ordinary soil**									
	KSRB 2 - 1.1: **Earthwork in surface excavation in ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.specification No.KBS 2.1(a) / 2.3.1 (PWD, S.R. 2016-17)(Page No. 5, Item No.2.1)									
	Basic Rate =	157								
	Area Weightage @8%=	12.56								
	Total Rate =	**169.56**	Cum							
				1	610.00		0.30	183.00		
								183.00	**169.56**	**31029.48**
4	**Earthwork excavation for foundation**									
	KSRB 2-2.2: **Earthwork excavation by manual means for foundation** of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications. specification No.KBS2.1(b) /2.3.5 (PWD, S.R. 2016-17)(Page No. 5, Item No.2.4)									
	Basic Rate =	283.00								
	Area Weightage @8%=	22.64								
	Total Rate =	**305.64**	Cum							
	F1			20	2.40	2.40	1.50	172.80		
	F2			5	1.60	1.60	1.50	19.20		
	F3			4	1.70	1.70	1.50	17.34		
	External Wall			2	22.00	0.60	0.90	23.76		
				2	15.00	0.60	0.90	16.20		
	Partition Wall			2	7.50	0.45	0.60	4.05		
				2	4.50	0.45	0.60	2.43		
				1	15.00	0.45	0.60	4.05		
								259.83	**305.64**	**79414.44**
5	**plain cement concrete for footing**									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	KSRB4-1.3:- Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications . specification no KBS 4.1,4.2 (PWD, S.R. 2016-17)(Page No. 12, Item No.4.3)									
	Basic Rate =	4867.00								
	Area Weightage @8%=	389.36								
	Total Rate =	**5256.36**	Cum							
	F1			20	2.40	2.40	0.10	11.52		
	F2			5	1.60	1.60	0.10	1.28		
	F3			4	1.70	1.70	0.10	17.34		
	External Wall			2	22.00	0.60	0.10	2.64		
				2	15.00	0.60	0.10	1.80		
	Partition Wall			2	7.50	0.45	0.10	0.68		
				2	4.50	0.45	0.10	0.41		
				1	15.00	0.45	0.10	0.68		
								35.66	**5256.36**	**187441.80**
6	**RCC for Footing**									
	KSRB 4.2.1 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, Pedastals, retaining walls, return walls (any thickness) including attached pilasters, columns, pillars, posts, struts, bed blocks, anchor blocks and Plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2016-17)(Page No. 13, Item No.4.10)									
	Basic Rate =	6221.00								
	Area Weightage @8%=	497.68								
	Total Rate =	**6718.68**	Cum							
	F1			20	2.20	2.20	0.60	58.08		
	F2			5	1.40	1.40	0.60	5.88		
	F3			4	1.50	1.50	0.60	5.40		
								69.36	**6718.68**	**466007.64**
7	**Filling available excavated earth**									
	KSRB 2.3: **Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2016-17)(Page No. 6, item No. 2.10)									
	Basic Rate =	127.00								
	Area Weightage @8%=	10.16								
	Total Rate =	**137.16**	Cum							
	Total Earth Work Qty.							259.83		
	Stage			1	7.80	6.00	0.60	28.08		
	Deduct									
	Bed Concrete							35.66		
	Footing							69.36		
	Columns upto ground level							2.59		
	S.S.M.Masonry in foundation							34.36		
								141.97		
								145.95	**137.16**	**20017.82**
8	**SSM Foundation**									
	KSRB5.2.2: Providing and constructing granite/trap/basalt **size stone masonry** in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification. No. KBS 5.1.13 (PWD, S.R. 2016-17)(Page No. 23, item No. 5.5)									
	Basic Rate =	4037.00								
	Area Weightage @8%=	322.96								

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Total Rate =	4359.96	Cum							
	External wall			2	22	0.45	0.45	8.91		
				2	15.00	0.45	0.45	6.08		
				2	22.00	0.45	0.45	8.91		
				2	15.00	0.45	0.45	6.08		
	For Partitions									
				2	7.50	0.45	0.25	1.69		
				2	4.50	0.45	0.25	1.01		
				1	15.00	0.45	0.25	1.69		
								34.36		
								34.36	**4359.96**	**149797.33**
9	**Reinforced cement concrete**									
	KSRB 4.2.7 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2016-17)(Page No. 13, item No. 4.12)									
	Basic Rate =	6367								
	Area Weightage @8%=	509.36								
	Total Rate =	**6876.36**	Cum							
	GROUND FLOOR									
	Columns Upto Ground level			20	0.20	0.75	0.75	2.25		
				5	0.20	0.45	0.75	0.34		
	(400 MM DIA)			4	0.13		0.75	0.38		
	Columns									
				20	0.20	0.75	3.00	9.00		
				5	0.20	0.45	3.00	1.35		
				4	0.13		3.00	1.51		
	Plinth Beam									
	PB(200*450)			2	22.00	0.20	0.45	3.96		
	(OUTER)			2	15.00	0.20	0.45	2.70		
	(INNER)			2	7.50	0.20	0.45	1.35		
				2	4.50	0.20	0.45	0.81		
				1	15.00	0.20	0.45	1.35		
	Staircase									
	landing			1	1.00	0.90	0.15	0.14		
				1	1.00	1.00	0.15	0.15		
	Waist slab			1	2.20	0.90	0.15	0.30		
				1	2.00	0.90	0.15	0.27		
				1	2.20	0.90	0.15	0.30		
	Steps			20	0.15	0.15	0.15	0.07		
	Roof Beam									
	GB(200*450) Horizontal			5	15.00	0.20	0.45	6.75		
	GB(200*600) vertical			5	21.00	0.20	0.60	12.60		
	Slabs									
	Store room			1	3.10	4.30	0.15	2.00		
	kitchen			2	3.90	4.30	0.15	5.03		
				1	3.10	4.30	0.15	2.00		
	dining			4	3.10	5.75	0.15	10.70		
				4	3.90	5.75	0.15	13.46		
	Toilet and lobby			2	3.10	4.30	0.15	4.00		
				2	3.90	4.30	0.15	5.03		
	Lintel									
	MD			1	2.30	0.20	0.15	0.07		
	D			2	2.10	0.20	0.15	0.13		
	D1			4	1.20	0.20	0.15	0.14		
	D2			8	1.05	0.20	0.15	0.25		
	W			11	2.10	0.20	0.15	0.69		
	W1			4	1.50	0.20	0.15	0.18		
	V			8	0.90	0.20	0.15	0.22		
	Arch opening			1	4.90	0.20	0.15	0.15		

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Staircase									
	landing			1	1.00	0.90	0.15	0.14		
				1	1.00	1.00	0.15	0.15		
	Waist slab			1	2.20	0.90	0.15	0.30		
				1	2.00	0.90	0.15	0.27		
				1	2.20	0.90	0.15	0.30		
	Steps			20	0.15	0.15	0.15	0.07		
	Entry Staircase									
	Landing			1	4.90	1.60	0.15	1.18		
	Waist slab			1	5.00	1.60	0.15	1.20		
	Steps			18	1.60	0.15	0.15	0.65		
								93.84	6876.36	645287.94
	First FLOOR									
	Columns									
				20	0.2	0.75	3	9		
				4	0.126		3	1.512		
	Roof beam									
	GB(200*600) Horizontal			2	15.00	0.20	0.60	3.60		
				6	5.10	0.20	0.60	3.67		
	GB(200*600) vertical			4	21.00	0.20	0.60	10.08		
	Slabs									
	rooms			2	5.10	4.35	0.15	6.66		
	hall sides			4	5.10	5.75	0.15	17.60		
	lobby			1	11.30	4.35	0.15	7.37		
	office			1	3.00	4.35	0.15	1.96		
	Portico			1	5.00	8.50	0.15	6.38		
	Lintel									
	MD			1	2.30	0.20	0.15	0.07		
	D1			3	1.20	0.20	0.15	0.11		
	D2			2	1.05	0.20	0.15	0.06		
	W			13	2.10	0.20	0.15	0.82		
	W1			2	1.50	0.20	0.15	0.09		
	V			4	0.90	0.20	0.15	0.11		
	Staircase									
	landing			1	1.00	0.90	0.15	0.14		
				1	1.00	1.00	0.15	0.15		
	Waist slab			1	2.20	0.90	0.15	0.30		
				1	2.00	0.90	0.15	0.27		
				1	2.20	0.90	0.15	0.30		
	Steps			20	0.15	0.15	0.15	0.07		
								70.29	6930.36	487160.99
	second FLOOR									
	Columns									
				20	0.2	0.75	3	9		
	second floor Roof beam									
	GB(200*750) Horizontal			5	15.00	0.20	0.75	11.25		
	GB(200*750) vertical			4	21.00	0.20	0.75	12.60		
	coffered ceiling			5	6.00	0.20	0.75	4.50		
				3	17.00	0.20	0.75	7.65		
	Slabs									
	rooms			3	5.10	5.70	0.15	13.08		
				2	5.10	4.35	0.15	6.66		
				2	5.10	3.00	0.15	4.59		
	corridor			4	5.10	5.75	0.15	17.60		
	lobby			1	11.30	4.35	0.15	7.37		
	office			1	3.00	4.35	0.15	1.96		
	Middle double height portion			1	7.40	14.80	0.20	21.90		
	Lintel									
	D1			7	1.20	0.20	0.15	0.25		
	D2			8	1.05	0.20	0.15	0.25		
	W			10	2.10	0.20	0.15	0.63		
	W1			4	1.50	0.20	0.15	0.18		
	V			8	0.90	0.20	0.15	0.22		
	Staircase									
	landing			1	1.00	0.90	0.15	0.14		
				1	1.00	1.00	0.15	0.15		
	Waist slab			1	2.20	0.90	0.15	0.30		
				1	2.00	0.90	0.15	0.27		
				1	2.20	0.90	0.15	0.30		
	Steps			20	0.15	0.15	0.15	0.07		
								120.90	6984.36	844431.82
	Terrace floor (Head room)									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Columns			4	0.20	0.60	3.00	1.44		
	Dummy columns			16	0.20	0.60	1.00	1.92		
	Roof beam			2	5.70	0.20	0.60	1.37		
				2	3.10	0.20	0.45	0.56		
	Slab			1	5.70	3.10	0.15	**2.65**		
	Lintel									
	D1			1	1.20	0.20	0.15	0.04		
	W1			2	1.50	0.20	0.15	0.09		
								8.06	7038.36	56746.78
10	**Footing Centering**									
	KSRB 4-6.1: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specification Specification No. KBS 4.6.2 (PWD, S.R. 2016-17)(PWD, S.R. 2016-17)									
	Basic Rate =	226.00								
	Area Weightage @8%=	18.08								
	Total Rate =	**244.08**	Sqm							
	footing F1			20	2.20	2.20		96.80		
				20	8.80		0.60	105.60		
	F2			5	1.40	1.40		9.80		
				5	5.60		0.60	16.80		
	F3			4	1.50	1.50		9.00		
				4	6.00		0.60	14.40		
								252.40	**244.08**	61605.79
11	**Roof beam centering**									
	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, (Sl.No 4.34, Pge No, 16), (PWD, S.R. 2016-17)(Page No. 15, item No. 4.34)									
	Basic Rate =	256.00								
	Area Weightage @8%=	20.48								
	Total Rate =	**276.48**	Sqm							
	Ground floor									
	PB(200*450)			2	22.00		0.90	39.60		
				2	15.00		0.90	27.00		
				2	7.50		0.90	13.50		
				2	4.50		0.90	8.10		
				1	15.00		0.90	13.50		
	Ground floor									
	GB(200*450) Horizontal			5	15		1.10	82.50		
	GB(200*600) vertical			5	21		1.40	147.00		
								331.20	276.48	91570.18
	First floor									
	GB(200*600) Horizontal			2	15		1.40	42.00		
				6	5.1		1.40	42.84		
	GB(200*600) vertical			4	21		1.40	117.60		
								202.44	281.88	57063.79
	Second floor									
	GB(200*750) Horizontal			5	15		1.70	127.50		
	GB(200*750) vertical			4	21		1.70	142.80		
	coffered ceiling			5	6		1.70	51.00		
				3	17		1.70	86.70		
								408.00	287.28	117210.24
	Terrace									
				2	5.70		1.40	15.96		
				2	3.10		1.10	6.82		
								22.78	292.68	6667.25
12	**Columns centering**									
	KSRB 4-6.5: Providing and **removing centering, shuttering, strutting, propping** etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 16, item No. 4.32)									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Basic Rate =	366.00								
	Area Weightage @8%=	29.28								
	Total Rate =	**395.28**	Sqm							
	Columns Upto Ground level									
	F1			20	1.90		0.75	28.50		
	F2			5	1.30		0.75	4.88		
	F3			4	0.126		0.75	0.38		
	ground to first									
				20	1.90		3.00	114.00		
				5	1.30		3.00	19.50		
				4	0.13		3.00	1.51		
								168.77	**395.28**	**66709.43**
	first floor									
				20	1.90		3.00	114.00		
				4	0.13		3.00	1.51		
								115.51	**400.68**	**46283.35**
	Second floor									
				20	1.90		3.00	114.00		
								114.00	**406.08**	**46293.12**
	Terrcae									
				4	1.60		3.00	19.20		
				16	1.60		1.00	25.60		
								44.80	**411.48**	**18434.30**
13	**Slab centering**									
	KSRB 4-6.2: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 15, item No. 4.29.2)									
	Basic Rate =	550.00								
	Area Weightage @8%=	44.00								
	Total Rate =	**594.00**	Sqm							
	GF Slabs									
	Store room			1	3.10	4.30		13.33		
	kitchen			2	3.90	4.30		33.54		
				1	3.10	4.30		13.33		
	dining			4	3.10	5.75		71.30		
				4	3.90	5.75		89.70		
	Toilet and lobby			2	3.10	4.30		26.66		
				2	3.90	4.30		33.54		
								281.40	**594.00**	**167151.60**
	FF Slabs									
	rooms			2	5.10	4.35		44.37		
	hall sides			4	5.10	5.75		117.30		
	lobby			1	11.30	4.35		49.16		
	office			1	3.00	4.35		13.05		
								223.88	**599.40**	**134190.68**
	SF Slabs									
	rooms			3	5.10	5.70		87.21		
				2	5.10	4.35		44.37		
				2	5.10	3.00		30.60		
	corridor			4	5.10	5.75		117.30		
	lobby			1	11.30	4.35		49.16		
	office			1	3.00	4.35		13.05		
	Middle double height portion			1	7.40	14.80		109.52		
								451.21	**604.80**	**272888.78**
	Terrace headroom slab			1	3.10	5.70		**17.67**	**610.20**	**10782.23**
14	**Lintel Centering**									
	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, (SL.No 4.34 Page No. 16), (SR 2016-2017), (BASIC RATE-256.00)									
	Basic Rate =	256.00								
	Area Weightage @8%=	20.48								
	Total Rate =	**276.48**	Sqm							
	RCC Lintel GF									
	ground floor									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	MD			1	2.3		0.50	1.15		
	D			2	2.1		0.50	2.10		
	D1			4	1.2		0.50	2.40		
	D2			8	1.05		0.50	4.20		
	W			11	2.1		0.50	11.55		
	W1			4	1.5		0.50	3.00		
	V			8	0.9		0.50	3.60		
	Arch opening			1	4.9		0.50	2.45		
								30.45	**276.48**	**8418.82**
	first floor									
	MD			1.00	2.30		0.50	1.15		
	D1			3.00	1.20		0.50	1.80		
	D2			2.00	1.05		0.50	1.05		
	W			13.00	2.10		0.50	13.65		
	W1			2.00	1.50		0.50	1.50		
	V			4.00	0.90		0.50	1.80		
								20.95	**281.88**	**5905.39**
	Second floor									
	D1			7.00	1.20		0.50	4.20		
	D2			8.00	1.05		0.50	4.20		
	W			10.00	2.10		0.50	10.50		
	W1			4.00	1.50		0.50	3.00		
	V			8.00	0.90		0.50	3.60		
								25.50	**287.28**	**7325.64**
	terrace									
	D1			1	1.2		0.50	0.60		
	W1			2	1.5		0.50	1.50		
								2.10	**292.68**	**614.63**
15	**Staircase Centering**									
	KSRB 4-6.11 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stair (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2, (Sl. No. 4.38, Page No. 16), (SR 2016-2017),									
	Basic Rate =	481.00								
	Area Weightage @8%=	38.48								
	Total Rate =	**519.48**	Sqm							
	staircase									
	ground floor									
	landing			1	1.00	0.90		0.90		
				1	1.00	1.00		1.00		
	Waist slab			1	2.20	0.90		1.98		
				1	2.00	0.90		1.80		
				1	2.20	0.90		1.98		
	Steps			20	0.90	0.15		2.70		
								10.36		
	ground floor									
	Entry steps			1	4.90	1.60		7.84		
	Landing			1	5.00	1.60		8.00		
	Waist slab			18	1.60	0.15		4.32		
	Steps							**30.52**	**519.48**	**15854.53**
								10.36	**524.88**	**5437.76**
	first floor							**10.36**	**530.28**	**5493.70**
	Second floor									
16	**Chajja Centering**									
	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2, (Sl. No. 4.37, Page No.16), (SR 2016-2017),									
	Basic Rate =	270.00								
	Area Weightage @8%=	21.60								
	Total Rate =	**291.60**	Sqm							
	Chajja									
	ground floor			11	2.1	0.6		13.86		
	W			4	1.5	0.6		3.6		
	W1			8	0.9	0.6		4.32		
	V							**21.78**	**291.60**	**6351.05**
	first floor			13	2.1	0.6		16.38		
	W			2	1.5	0.6		1.8		
	W1									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	V			4	0.9	0.6		2.16		
								20.34	**297.00**	**6040.98**
	Second floor									
	W			10	2.1	0.6		12.6		
	W1			4	1.5	0.6		3.6		
	V			8	0.9	0.6		4.32		
								20.52	**302.40**	**6205.25**
	Head room									
	D1			1	1.2	0.6		0.72		
	W1			2	1.5	0.6		1.80		
								2.52	**307.80**	**775.66**
17	**RCC Chajja**									
	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20 kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.05865 cum and line agregtes @ 0.0391 cum, with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing complete but cxcluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, (Sl. No. 4.20, Page No.14), (SR 2016-2017),									
	Basic Rate =	514.00								
	Area Weightage @8%=	41.12								
	Total Rate =	**555.12**	Sqm							
	Chajja									
	ground floor									
	W			11	2.1	0.60		13.86		
	W1			4	1.5	0.60		3.60		
	V			8	0.9	0.60		4.32		
								21.78	**555.12**	**12090.51**
	first floor									
	W			13.00	2.10	0.60		16.38		
	W1			2.00	1.50	0.60		1.80		
	V			4.00	0.90	0.60		2.16		
								20.34	**560.52**	**11400.98**
	Second floor									
	W			10.00	2.10	0.60		12.60		
	W1			4.00	1.50	0.60		3.60		
	V			8.00	0.90	0.60		4.32		
								20.52	**565.92**	**11612.68**
	Head room									
	D1			1.00	1.20	0.60		0.72		
	W1			2.00	1.50	0.60		1.80		
								2.52	**571.32**	**1439.73**
18	**T.M.T steel reinforcement**									
	KSRB 4.9.2: Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT bars Fe 500(PWD, S.R. 2016-17)(Page No. 1, item No. 4.46.2) (Revised rate)									
	Basic Rate =	70675.00								
	Area Weightage @8%=	5654.00								
	Total Rate =	**76329.00**	Tonne							
	Ground floor									
	Footings @ 50Kg/cum				69.36			34.68		
	Columns @ 200Kg/cum				14.83			29.66		
	Plinth beam @100Kg/cum				10.17			10.17		
	Roof Slab @ 90Kg/cum				42.21			37.99		
	Lintel @ 70Kg/cum				1.83			1.28		
	Chajja @ 20Kg/Sqm				21.78			4.36		
	Roof Beam @ 120Kg/cum				19.35			23.22		
	Staircase @ 70Kg/cum				1.22			0.85		
								142.20		
								14.22	**76329.00**	**1085401.81**
	First floor									
	Columns @ 200Kg/cum				10.51			21.02		
	Roof Slab @ 90Kg/cum				33.58			30.22		

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Lintel @ 70Kg/cum				1.83			1.28		
	Chajja @ 20Kg/Sqm				20.34			4.07		
	Roof Beam @ 120Kg/cum				17.35			20.82		
	Staircase @ 70Kg/cum				1.22			0.85		
								78.27		
								7.83	76838.76	601401.41
	Second floor									
	Columns @ 200Kg/cum				9.00			18.00		
	Roof Slab @ 90Kg/cum				73.16			65.84		
	Lintel @ 70Kg/cum				1.53			1.07		
	Chajja @ 20Kg/Sqm				20.52			4.10		
	Roof Beam @ 120Kg/cum				36.00			43.20		
	Staircase @ 70Kg/cum				1.22			0.85		
								133.07		
								13.31	77348.52	1029258.39
	Terrace floor (Head room)									
	Columns @ 200Kg/cum				3.36			**6.72**		
	Roof Slab @ 90Kg/cum				2.65			**2.39**		
	Lintel @ 70Kg/cum				0.13			**0.09**		
	Chajja @ 20Kg/Sqm				2.52			**0.50**		
	Roof Beam @ 120Kg/cum				1.93			**2.31**		
								12.01		
								1.20	77858.28	93498.84
19	**Load Bearing Wall**									
	KSRB 5-14.1 : Providing and constructing load beraing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications. (S.No. 5.27.1, Page No. 25), (SR 2016-2017),									
	Basic Rate =	937.00								
	Area Weightage @8%=	74.96								
	Total Rate =	**1011.96**	Sqm							
	Ground floor									
	Outer wall			2	20.00		3.00	120.00		
				2	14.00		3.00	84.00		
	store room			1	3.10		3.00	9.30		
				1	4.30		3.00	12.90		
	Kitchen			1	11.00		3.00	33.00		
	Toilets			1	9.00		3.00	27.00		
				1	4.30		3.00	12.90		
								299.10		
	Deduct									
	MD			1	2.00		2.40	4.80		
	D			2	1.80		2.40	8.64		
	D1			4	0.90		2.10	7.56		
	D2			8	0.75		2.10	12.60		
	W			11	1.80		1.60	31.68		
	W1			4	1.20		1.60	7.68		
	V			8	0.60		0.60	2.88		
	AO			1	4.60		2.40	11.04		
								86.88		
								212.22	1011.96	214758.15
	First floor									
	Outer wall			2	20.00		3.00	120.00		
				2	14.00		3.00	84.00		
	Inner			1	14.00		3.00	42.00		
	Rooms			2	4.30		3.00	25.80		
				2	3.00		3.00	18.00		
								289.80		
	deduct									
	MD			1	2.00		2.40	4.80		
	D1			3	0.90		2.10	5.67		
	D2			2	0.75		2.10	3.15		
	W			13	1.80		1.60	37.44		
	W1			2	1.20		1.60	3.84		
	V			4	0.60		0.60	1.44		
								56.34		
								233.46	1044.36	243816.29
	Second floor									